

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (previously presented): A mounting device assembly comprising:

a circuit board having an electronic component mounted thereon;

a heat sink comprising a base, and a plurality of fins arranged on the base;

a unitary mounting device for mounting the heat sink to the circuit board, the mounting device comprising a body defining an opening for receiving the electronic component therethrough such that the electronic component contacts the base, the body comprising a plurality of beams surrounding the electronic component and being sandwiched between the base and the circuit board;

locking means for locking the heat sink to the mounting device without interference to the fins; and

latching means for latching the mounting device to the circuit board; wherein the beams comprises a pair of longitudinal beams, and the locking means comprises a plurality of cutouts defined in opposite longitudinal sides of the base of the heat sink, and a plurality of fasteners formed on the longitudinal beams of the mounting device and engaging in the cutouts.

Claim 2 (cancelled)

Claim 3 (previously presented): The mounting device assembly as claimed in claim 1, wherein the latching means comprises a pair of locking slots defined in the circuit board on opposite sides of the electronic component, and a pair of latches formed on bottoms of the longitudinal beams and engaging in the locking slots respectively.

Claim 4 (original): The mounting device assembly as claimed in claim 3, wherein the circuit board defines a plurality of pairs of locating openings surrounding the electronic component, and the body of the mounting device comprises a plurality of pairs of feet received in the locating openings respectively.

Claim 5 (original): The mounting device assembly as claimed in claim 3, wherein the base of the heat sink defines a pair of holes in opposite lateral side portions thereof, the beams further comprise a pair of lateral beams, a pair of posts is formed on the lateral beams, and the posts are fittingly received in the holes.

Claim 6 (previously presented): A mounting device assembly comprising:

a circuit board having an electronic component mounted thereon;

a heat sink comprising a base, and a plurality of fins provided on the base; and

a mounting device for mounting the heat sink to the circuit board, the mounting device comprising:

a body defining an opening for extension the electronic component therethrough to contact the base, and comprising a plurality of beams surrounding the electronic component and being sandwiched between the base and the circuit board;

engaging means integrally formed from the body for engaging with the heat sink at outsides of the fins; and

latching means integrally formed from the body for latching the mounting device to the circuit board; wherein the base of the heat sink defines a plurality of cutouts in opposite longitudinal sides thereof, the beams comprise a pair of longitudinal beams, and the engaging means comprises a plurality of fasteners formed on the longitudinal beams and engaging in the cutouts.

Claim 7 (cancelled)

Claim 8 (previously presented): The mounting device assembly as claimed in claim 6, wherein the circuit board defines a pair of locking slots on opposite sides of the electronic component, and the latching means comprises a pair of latches formed on bottoms of the longitudinal beams and engaging in the locking slots.

Claim 9 (original): The mounting device assembly as claimed in claim 8, wherein the circuit board defines a plurality of pairs of locating openings surrounding the electronic component, and the body of the mounting device comprises a plurality of pairs of feet received in the

locating openings respectively.

Claim 10 (original): The mounting device assembly as claimed in claim 8, wherein the base of the heat sink defines a pair of holes in opposite lateral side portions thereof, the beams further comprise a pair of lateral beams, a pair of posts is formed on the lateral beams, and the posts are fittingly received in the holes.

Claims 11-16 (cancelled)

Claim 17 (currently amended): The mounting device assembly of claim 1, wherein the base of the heat sink has a long side and a short side, and the mounting device has a length shorter than the long side of the base ~~and a width shorter than the short side of the base~~, whereby a boundary of the mounting device is located within and under a boundary of the base of the heat sink.

Claim 18 (currently amended): The mounting device assembly of claim 6, wherein the base of the heat sink has a long side and a short side, and the mounting device has a length shorter than the long side of the base ~~and a width shorter than the short side of the base~~, whereby a boundary of the mounting device is located within and under a boundary of the base of the heat sink.